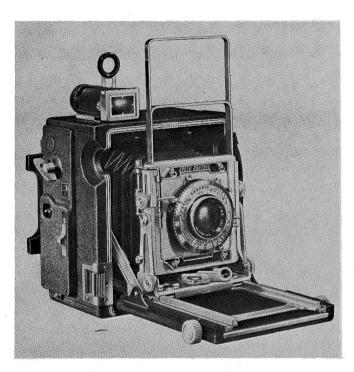
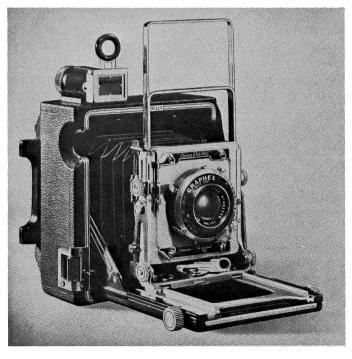
PACEMAKER: SPEED & CROWN GRAPHIC PARTS LIST





GRAFLEX, INC. Rochester 8, New York

TABLE OF CONTENTS FOR SECTION 4

Maintenance text for the "23" Pacemaker Speed and Crown Graphic is contained in Section 6.

Title			Page
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Cover Assembly - Shutter Plate	• • •		 6
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Standard Complete - Front		• • • •	 8
Bed Complete	••,•	• • •	 9
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Back Complete - Graflok	• • •		 13
Back Complete - Graphic			 15
Back Complete - Graflex		• • •	 16
Standard Hardware			 18

PARTS LIST

The Group Assembly Parts List is listed in disassembly order. The list divides the components into major assemblies, their subassemblies and parts. By the use of indented columns, the relationship of the assemblies to the subassemblies and parts is obtained.

The column titled "Figure and Index No." contains the index number in disassembly order of the items illustrated. Do not use the figure or index number in correspondence... specify the catalog or part number and name.

The column titled "Part Number" contains the Graflex part and drawing number, or the catalog number of the item listed.

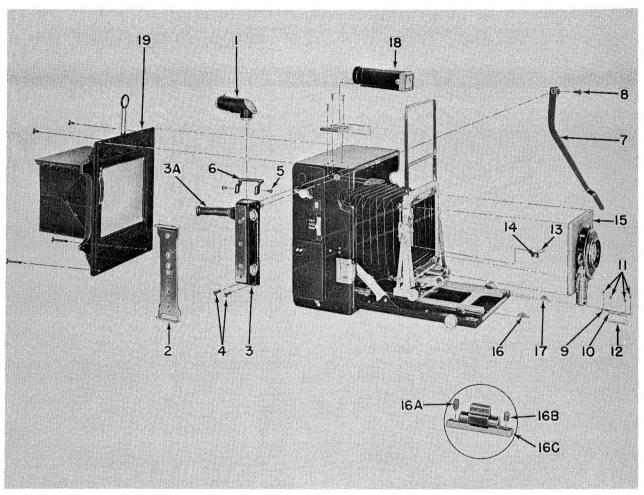
The column titled "Nomenclature" (including numbered columns) lists item nomenclature on the Graflex drawing. In this column the relationship of the item listed to the final assembly is indicated. If the nomenclature begins in the column marked "4", this item will be a component of the first assembly above which preceeds it in the column marked "3". The assembly in the column marked "3" will be a component of the first assembly which preceded it in the column marked "2" etc.

The column titled "Units per Assy." lists the quantity required at that assembly. . . it is not necessarily the total. When the quantity figure is omitted, the code "AR" or "NP" will appear. The code "AR" is used for bulk items when an indefinite amount may or may not be used "as required". The code "NP" is used for items that are part of a riveted assembly and the next higher assembly should be ordered as these parts are "not procurable".

The column titled "List Price" contains the list price for each item. The prices listed are for one item, not the quantity listed in the preceding column. When the price is omitted, the code "NP" will indicate that this part is "not procurable" and that the next higher assembly should be ordered.

INTRODUCTION

This section of the Graflex Service Parts Manual covers the Pacemaker Speed and Crown Graphic "23". The text and illustrations are aimed at the Speed Graphic; however, similiar parts found on the Crown Graphic are handled in a like manner. The Parts List illustrates and indexes the Speed Graphic, similiar parts for the Crown Graphic follow immediately in the list. REFER TO PART NUMBER, NOT INDEX NUMBER, IN CORRESPONDENCE AND ORDERS.



**Figure 1. Camera Complete

Figure & Index No.	Part Number	Nomenclature 1 2 3 4 5	Units per Assembly	List Price
		Camera - Pacemaker Speed Graphic "23"		
1-1	No number	. Focuspot Assembly	1	See Price List
		Battery Case Mounting		
-2	Cat. #2754 31114 -P1 31037-P1	Bracket - Battery Case Mounting and attaching parts Bracket - Outer	NHA	

DO NOT ORDER PARTS BY FIGURE INDEX NUMBER. SPECIFY CATALOG OR PART NUMBER AND NAME. State quantity. Prices subject to change without notice.

NHA - Next Higher Assembly

**"45" Pacemaker Graphic illustrated to show assembly of parts.

Section 4
Group Assembly Parts List

Figure & Index No.	Part Number	Nomenclature 1 2 3 4 5	Units per Assembly	List Price
	Attaching 104-4-3			
		. Screw - Machine, 3/16 in. lg., #4-40 OH Steel, Chrome plate	1	.01
		plate	2	.01
		Steel, Ebonol	2	.01
	00110-100	Armite paper	3	.01
		Range finder Mounting		
1-3 -3A		Range finder less attaching parts		
-4 -5	31134 .	Screw - Special, 0.218 in. lg., #2-56 OH Brass, Ebonol. Screw - Machine, 3/16 in. lg., #3-48 SS Bind H, Phillips,		.01
-0	11000110 .	Brass, Ebonol	2	.01
-6	30777-P1 .	Bracket - Range finder mounting		.95
-7		Arm Assembly - Range finder		1.50
-8		. Screw - Set, Range finder, 1/4 in. lg., #5-40 Hex H,		
		hanger point	1	.06
_	***		~	
-9	•	(Note: Calibrated scales are not procurable	Ref Se	e Section 101
		separately - they must be matched to actual lens focal length.)		
-10	30817-P	Scale - Index, blank	Ref Se	e Section 101
	Attaching			
-11		. Screw - Index and focusing scale	4	.01
-12		. Plate - Index scale clamp		.10

-13		. Arm - Manual trip #2 shutter - 2-1/4x3-1/4 Graphic		.35
	31099-P1 .	. Arm - Manual trip #1 shutter - 2-1/4x3-1/4 Graphic	1	.35
-14	107-2-2 .	. Screw - Machine, 1/8 in. lg., #2-64 O Fil H, Steel,	1	.01
-15		Chrome plate	• • •	.01
-16&17		Stop Assembly Complete - Infinity (See Figure 6)		
-16A		. Screw - Infinity stop - pointed (rear)		
-16B		Screw - Infinity stop - flat		
-16C	30665-P1 .	. Stop Assembly - Infinity	Ref	
-18	30700-G1 .	View finder Complete (See Figure 11)	Ref	
-19	30313-G1 .	Back Complete - 2-1/4x3-1/4 Graphic (See Figure 9), Exc		
	30313-G5 .	panel and hood, for Speed	d	Obsolete - order
	30927-G6 .	hood, for Crown		Graflok
	30927-G3 .	Excluding panel and hood, for Speed Back Complete - 2-1/4x3-1/4 Graflex, Excluding panel and	1	
	31709-G22 .	hood, for Crown		
	31709-G23 .	Speed	Ref	

DO NOT ORDER PARTS BY FIGURE INDEX NUMBER. SPECIFY CATALOG OR PART NUMBER AND NAME. State quantity. Prices subject to change without notice.

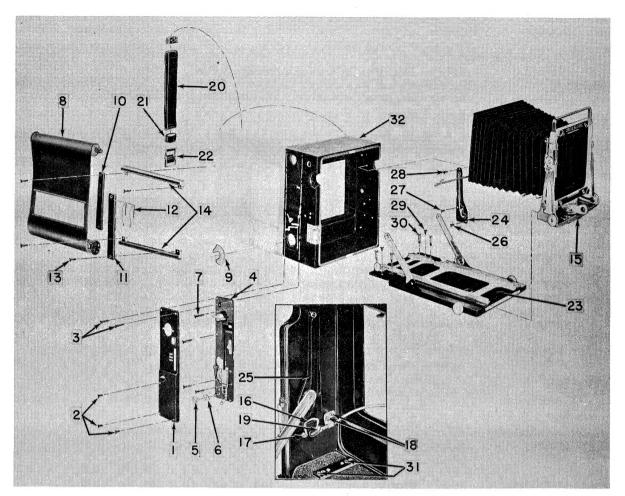


Figure 2. Basic Camera

Figure & Index No.	Part Number		Units per Assembly	
2-1	30751-G3 30351-G3 Attaching		Ref	
-2		Screw - Machine, 3/16 in. lg., #1-64 OH Brass, (L-26 finish - head only)	3	.01
-3	152B1-8(L26)	Screw - Wood, 1/2 in lg., #1 OH Brass, (L-26 finish - head only)		.01
-4		Plate Assembly - Shutter mechanism (See Figure 4)	1	24.50
-5	30213-P1 .	Screw - Shaft retainer	1	.05
-6	30212-P1 .	Retainer - Tension shaft	1	.02
-7	150B1-8	Screw - Wood, 1/2 in. lg., #1 FH Brass	4	.01
-8	30350-G3 .	Curtain & Rollers Complete	1	13.25
-9	30698 .	Seal - Tension roller (on older models)	1	.05
		brass	AR	.01
		brass	AR	.02

DO NOT ORDER PARTS BY FIGURE INDEX NUMBER. SPECIFY CATALOG OR PART NUMBER AND NAME.

State quantity. Prices subject to change without notice.

AR - As Required

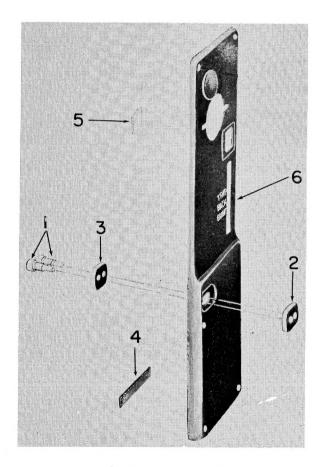
		1		
Figure &	Part	Nomenclature	Units per	List
Index No.			Assembly	Price
muex No.	Number	1 2 3 4 3	Assembly	File
	30211-G2	Dollon Aggombly Tongion	1	4.25
		Roller Assembly - Tension		
		Roller Assembly - Gear		3.25
	30409-G3	Curtain Assembly		5.00
		Contact curtain		.05
	30880	. Bearing - Roller (For replacement use 30192-P1 or P2)	NP	
	30192-P1	. Bearing - Roller (Selected fit) 0.359 in. lg., (See Figure		
		7-17) (For replacement of 30880 only)	AR	.60
	30192-P2	. Bearing - Roller (Selected fit) 0.389 in. lg., (See Figure		
		7-17) (For replacement of 30880 only)	AR	.60
	Attaching			
		. Screw - Wood, 1/4 in. lg., #2 OH, Phillips drive, Brass,		
		Chrome (See Figure 7-18)	6	.01
	***		• • •	•
		Frame and Contact Assembly (not shown)	. 1	5,00
	Attaching		•••	
		. Screw - Wood, 3/4 in. lg., #2 FH Brass	1	.02
	150B2-12		4	.02
			•	2.45
0.10		Frame (not shown)		3.45
2-10		Block - left		.35
-11		Block - right		.35
-12		Contact - Spring finger	2	.04
	Attaching	g Part		
-13	150B2-8	Screw - Machine, 1/2 in. lg., #2 FH Brass, Ebonol	4	.01
	***	•		
-14	30634-P1	Guide - Curtain	2	.20
	Attaching			
		Screw - Wood, 3/16 in. lg., #0 FH Brass, Ebonol	6	.01
	***	-		•
		Contact - Long	1	.10
		Contact - Frame		.05
				.00
	Attaching		9	01
		Screw - Wood, 3/16 in. lg., #1 RH Brass	4	.01
4	***		4	22.25
-15		. Standard Complete - Front (See Figure 5) Speed Graphic		33.35
		. Standard Complete - Front - Crown Graphic	1	33.35
	Attaching	•	_	
-16		. Spring - Cable release, Speed Graphic only	1	.20
-17	150 B 1-3	. Screw - Wood, 3/16 in. lg., #1 FH Steel, Cadmium plate,		
		Speed Graphic only		.01
-18	151-1-3	. Screw - Wood, 3/16 in. lg., #1 RH Steel, Cadmium plate	2	.01
-19	30949	. Screw - Cable, special		.01
		. Washer - Flat, black screw, 0.281 in. OD, 0.093 in. ID,		
		0.012 in. thk steel	1	.01

-20	30757-G2M	. Handle Assembly	1	2.75
	30757-G2	Handle Complete	1	1.50
-21		. Loop - Strap	2	.04
				1.15
-22	30305-G1	Snap Assembly - Handle		33.35
-23	30621 -G1	. Bed Complete (See Figure 6)	1	55.55
0.4	Attach	ning Part	1	.45
-24		Plate - left, Bed brace		
-25	31750-P4	. Plate - right, Bed brace		.45
-26	100B3-2	. Screw - Machine, right side, 1/8 in lg., #3-48 FH Brass		.01
	‡150 B2- 3	. Screw - Wood, right side, 3/16 in. lg., #2 FH Brass		.02
	100B3-3	. Screw - Machine, left side, 3/16 in. lg., #3-48 FH Brass	1	.01
	‡150B2-4	. Screw - Wood, left side, 1/4 in. lg., #2 FH Brass	1	.02
-27	112-3R2	. Screw - Machine, right side, 1/8 in. lg., #3-48 O Bind H, Phi		.01
	‡150B2-3	. Screw - Wood, right side, 3/16 in. lg., #2 FH Brass		.02
		, , , , , , , , , , , , , , , , , , , ,		

DO NOT ORDER PARTS BY FIGURE INDEX NUMBER. SPECIFY CATALOG OR PART NUMBER AND NAME. State quantity. Prices subject to change without notice.

NP - Non Procurable

Figure &	Part			_	Nomenclature	Units per	List
Index No.	Number	1	2 3 4	5		Assembly	Price
	112B3R3		Screw	, _	Machine, left side, 3/16 in. lg., #3-48 O Bind H,	Phillips 1	.01
	‡150B2-4				Wood, left side, 1/4 in. lg., #2 FH Brass	-	.02
2-28	112B3R6				Machine, right side, 3/8 in. lg., #3-48 O Bind H,		.01
	112B3R3		Screw	, -	Machine, left side, 3/16 in. lg., #3-48 O Bind H,	Phillips 1	.01
	‡150B2-4				Wood, right and left side, 1/4 in. lg., #2 FH Bras		.02
-29	150B2-4(S18).	Screw	_	Wood, 1/4 in. lg., #2 FH Brass, Ebonol	2	.02
-30	31925-P2				Yoke guide case		.03
-31	170D5-2(S7)		Screw	_	Set, 1/8 in. lg., #5-40 slotted, Flat point, Stee	Į .	
					etal		.05
	*	* *.					
-32	30559-G3		Case	Co	mplete, Speed Graphic (See Figure 7)	Ref	
_	30559-G6		Case	Co	mplete, Crown Graphic		
‡Used on o	lder model can	ne	ras wit	hoı	ut inserts for machine screws.		



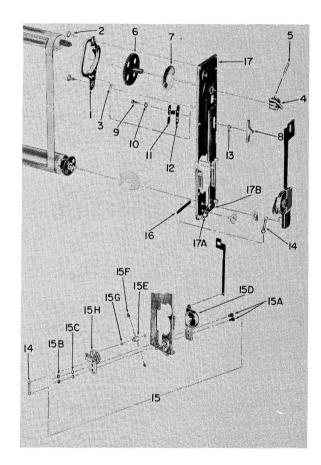


Figure 3. Shutter Cover Plate

Figure 4. Shutter Plate

	30351-G3	Cover Assembly - Shutter Plate (See Figure 2-1)	Ref	
3-1	30359-P1	. Stud - Receptacle contact		.10
-2	30357-	. Insulator - Receptacle		.05
-3	30358	. Washer - Receptacle	1	.05
-4	30846	. Seal - Dust		.05
-5	30356	. Window - Shutter plate	1	.10
-6	30355-P1	. Cover - Shutter plate	NP	

DO NOT ORDER PARTS BY FIGURE INDEX NUMBER. SPECIFY CATALOG OR PART NUMBER AND NAME.
State quantity. Prices subject to change without notice.
NP - Non Procurable

Figure & Index No.	Part Number 1	Nomenclature 2 3 4 5	Units per Assembly	List Price
		SHUTTER PLATE		
4-1	30185-G1 .	late Assembly - Shutter mechanism (See Figure 2-4) Escapement Assembly		.65
-2	Attachin 30187-P1 .	Screw - Escapement	2	.08
-3	30186 .	Spring - Escapement		.04 4.60
-4		. Key Assembly - Winding		.95
-5		Pin - Taper - std #5/0, 0.092 in. dia x 7/16 in. lg., Stain- less Steel		.01
-6		Gear Assembly - Master	NP	
-7		Dial - Shutter		.60
-8		Slide - Shift		.40
-0	Attachin		1	.40
-9 -10	102-2-7 .	Screw - Machine, 7/16 in. lg., #2-56 RH Steel Washer - Lock, 3/16 in. OD, 0.086 in. ID, 0.012 in. thk	1	.01
		Steel, Jetal	1	.01
4.4	***_		_	4-
-11		Spring - Shift slide		.15
-12		Plate - Shift slide		.50
-13		Spacer - Shift slide		.04
-14	30340 .	Spring - Governor	1	.05
-15		Governor Complete	1	8.80
-15A	110B2-4 .	. Screw-Dowel, 1/4 in. lg., #2-56 SS Bind H, Brass	2	.02
-15B -15C		. Nut - Machine. #2-56 Hex, Brass, Jetal	2	.01
		Steel, Jetal	2	.01
		. Spacer - Governor	NP	
	30347-P1 .	. Slide - Dial	NP	
	Attachin	g Part		
		. Pin - Dial slide	NP	
450	***_			
-15D		. Bracket Assembly - Top		
-15E		. Pinion Assembly - Governor		
-15F		. Shoe - Governor	NP	
-15G	30473-P1 .	. Washer - Flat, $5/32$ in. OD, 0.067 in. ID, 0.005 in. thk		
4		Brass		
-15H		. Bracket Assembly - Bottom		
		Idler Assembly - Governor		
		Bracket and Bearing Assembly - Bottom		
	30338 .	Stud		
	30685-P1 .	. Pin	NP	
-16	30301 .	Strip - Light seal	1	.02
-17	30348-G1 .	Plate Assembly	1	5.6 0
-17A	30315-G1 .	. Lever Assembly - Retard cam	1	.50
	Attachin	g Part		
-17B	30318 .	. Stud	1	.03
	30184-P1 .	. Post - Escapement spring	NP	
	30345-P1 .	. Post - Governor spring		
	30517 .	. Bushing - Master gear		
	30191 .	. Bearing - Gear roller		

DO NOT ORDER PARTS BY FIGURE INDEX NUMBER. SPECIFY CATALOG OR PART NUMBER AND NAME. State quantity. Prices subject to change without notice.

NP - Non Procurable

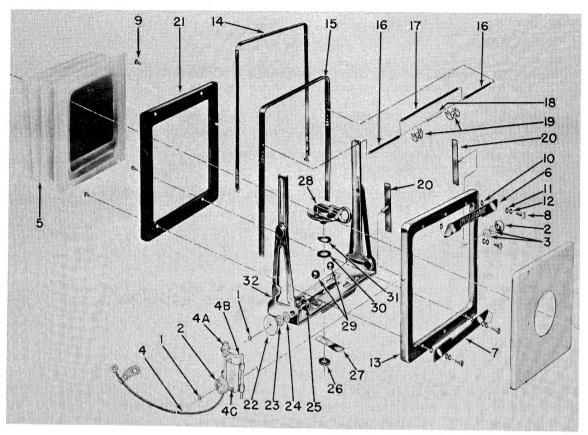


Figure 5. Front Standard

Figure & Index No.	Part Number	Nomenclature 1 2 3 4 5	Units per Assembly	List Price
5-1 -2 -3	30538-G5 30538-G6 30442-P1 30444-P1 30473-P6	Standard Complete - Front (See Figure 2-17) Speed Graphic . Standard Complete - Front, Crown Graphic	Ref NP 2	.25
-4	31131-G1	fiber	2	.01
-4A	30843-P1	Release Assembly - Cable	1	3.50
-4B	31097-P1	. Nut - Cable release	2	.14
-40		Rod - Manual trip	1	.2 0
-4C	31098-P1	Bracket - Manual trip	1	.30
	30839- 30844-P1	Body - Cable release	1	.25
	30841 30840-P1	Spring - Cable	NP	
	30836-P4 Attac	Casing - Cable release	NP	
	31132-P1 30837-P4	Clip - Cable release	NP	
	30857 31133-P1	Terminal - Cable release	NP	
-5	30672-G1 30538-G5T	Bellows Assembly	1	11.00
	30538-G6T	Front Standard Assembly - 2-1/4x3-1/4 Speed Graphic	1	22.50 22.50

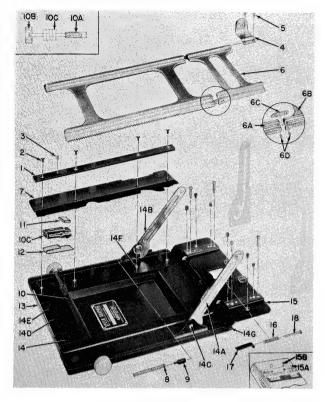
DO NOT ORDER PARTS BY FIGURE INDEX NUMBER. SPECIFY CATALOG OR PART NUMBER AND NAME.

State quantity. Prices subject to change without notice.

NP - Non Procurable

Figure & Index No.	Part Nomenclature Number 1 2 3 4 5	Units per Assembly	List Price
	30538-G5N Frame Assembly - Front Standard 2-1/4x3-	1 /4 Speed	
	Graphic	1	9.75
	Graphic	•	9.75
5-6	30472-P2 Lock - Lensboard, upper - Speed Graphic		.65
	30472-P3 Lock - Lensboard, upper - Crown Graphic		,65
-7	30472-P5 Lock - Lensboard, lower		.65
•	Attaching Part	٠,,	00
-8	30401-P1 Screw - Slide lock		.08
-9 -10	30377-P1 Nut - Slide lock		.05
-10	Stainless Steel		.01
-11	30473-P20 Washer - Flat, 0.203 in. OD, 0.117 in. ID,		
	Stainless Steel		.01
-12	30540-P3 Washer - Spring, 0.203 in. OD, 0.117 in. I		0.9
	thk. Stainless Steel	4	.02
-13	30384-P1 Frame - Outer front	1	1.40
-13	31923-G3 Finder Complete		4.50
-14	30400-G1 Finder Assembly		2.25
-15	30675-G1 Frame Assembly - Finder		2.35
-16	30378-P2 Plunger - Finder		.02
-17	30404-P2 Sleeve - Finder lock spring		.10
-18	30438 Spring - Finder		.05
-19	30719-P1 Bracket - Plunger		.05
-20	30425-G1 Plate Assembly - Front frame clamp		.50
-21	30387-P1 Frame - Inner front		.60
22	30538-G5S Standard Support Assembly Complete		12.75 $.25$
-22 -23	30444-P1 Knob - Support locking		.20
-23	fiber		.01
-24	30473-P10 Washer - Flat, 0.375 in. OD, 0.187 in. ID,		
	Armite paper	_	.01
-25	31735 Screw - Support locking		.35
-26	30553-P2 Nut - special		.06
-27	30439 Spring - Shift locking		.20 1.75
-28 -29	30537-G2 Lever Assembly	2	.01
-29 -30	30539-P3 Ball - Steel, 0.250 in. dia	0.021 in thk	.01
-30	Brass, Cadmium plate (P-21)		.02
-31	30540-P2 Washer - Spring - Lever assembly, 13/32	2 in. OD, 0.203	
	in. ID, 0.007 in. thk. 5/16 in. radius spr	ing steel 1	.05
-32	30538-G5R Standard Support Assembly	1	7.50
	BED COMPLETE		
	30621-G1 Bed Complete (See Figure 2-27) Speed & Crown C	Imanhica 1	36. 00
6-1	30621-G1 Bed Complete (See Figure 2-27) Speed & Crown C 30627-P1 . Guide, left - Bed section		.90
0-1	30627-P2 Guide, right - Bed section	1	.90
	Attaching Part		•••
-2	100B2-4(S18). Screw - Machine, 1/4 in. lg., #2-56 FH Brass	, Ebonol	
	(for older models)	8	.01
•	31089-P4 . Screw - Machine, special, 1/4 in. lg., #2-56		0.0
	Brass, Black lacquer (for newer modles	3) 8	.02
-3	170A3-2(P15). Screw - Special Fil H, 1/8 in. lg., #3-48 O Po	int Nickel	
-0			.02
-4	30775-G3 plate		1.00
•	Attaching Part		
-5	30830 . Screw - Machine, 0.145 in. lg., #1-64 FH Bras	ss, Chrome 2	.05

DO NOT ORDER PARTS BY FIGURE INDEX NUMBER. SPECIFY CATALOG OR PART NUMBER AND NAME. State quantity. Prices subject to change without notice.



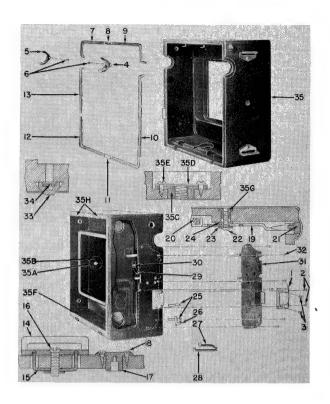


Figure 6. Bed Complete

Figure 7. Case Complete

Figure & Index No.	Part Number	Nomenclature 1 2 3 4 5	Units per Assembly	List Price
	34617-G1	. Yoke Assembly - Complete		14.50
	30655-G1	Stop Assembly - Right, infinity (See Figure 1)	1	.60
	30655- G2	Stop Assembly - Left, infinity (See Figure 1)	1	.60
	30661	Screw - Infinity stop - pointed (rear)	1	.02
	30662	Screw - Infinity stop - flat	1	.02
	30655-P1	Stop Assembly - Infinity	1	.60
	30817-P3	Scale - Index	1	.10
	30815	Plate - Index scale	1	.10
	Attaching			
	30819	Screw - Scale	2	.01
	***	=		
6-6	30596 - 🕦 🚱	Yoke Assembly	1	13.50
-6A	30599 - P1	Yoke - Bed section	\dots NP	
-6B	30601-P1	Yoke - Case section		
	30605	Pin - Front standard stop	1	.01
-6C	30602	Link - Yoke		.10
-6D	30603	Pin - Yoke link		.01
	30622-P1	. Block - Left bed	1	1.50
-7	30622-P2	. Block - Right bed	1	1.50
-8	30666	. Spring - Bed brace	2	.01
-9	30615	. Plunger - Bed brace	2	.05
-10	30621-G1M	. Shaft Assembly - Pinion	1	2.60
-10A	30606-P3	Pinion - Focusing	1	2.25
-10B	30612	Knob - Focusing	2	.30
-10C	30730-P1	Brake - Yoke lock	4	.02
-11	30829	. Plate - Brake		.02
-12	30611	. Spring - Focusing pinion		.02

DO NOT ORDER PARTS BY FIGURE INDEX NUMBER. SPECIFY CATALOG OR PART NUMBER AND NAME.

State quantity. Prices subject to change without notice.

NP - Non Procurable

771 0			
Figure & Index No.	Part Nomenclature Number 12345	Units per Assembly	List Price
6-13	31730-P1 . Escutcheon - Bed, newer models	1	.10
-14	34615-G1 . Bed Assembly - Second	1	9.75
-14A	30421-G5 Brace Assembly - Left		1.25
-14B	30421-G6 Brace Assembly - Right		1.25
	Attaching Part		
-14C	31751-P1 Rivet - Bed brace assembly	2	.15

4.45	31754-P2 Covering - Vinyl	1	1.25
-14D	30560 Catch - Bed, older models	1	.10
-14E	Attaching Part 30948 Rivet - Bed catch, older models	•	0.4
-145	30948 Rivet - Bed catch, older models	2	.01
	33903-P2 Name Plate	MD	
	Attaching Part	NP	
	30363-P22 Rivet - Hollow type, special	NP	
	***	141	
	31096-G4 Bed Assembly - First	1	5.00
-14F	30915-P1 Bushing - Guide & block screw	8	.03
	30589-P2 Bed	NP	
	Attaching Part		
-14G	30172-P23 Pin - Hinge, 4.093 in. lg., 0.062 in. dia Phosphor		
	Bronze	1	.08
15	***	_	4
-15	30621-G1R . Hinge Assembly	1	1.50
-15A		NP	
-107	31731-P2 Guide - Right - Case section	NP	
-15B	30685-P2 Pin - Dowel, $0.082 \pm .0003$ in, x 0.195 in, lg. Stainless		
	Steel	4	.01
	***		••-
	30435-P1 Hinge - Bed	NP	
-16	30639 . Spring		.05
-17	30637 . Slide	1	.16
-18	Attaching Part		0.4
-10	30638-P1 . Pin - Escutcheon, 0.082 in. dia x 1 in. lg	1	.01
	CASE COMPLETE		
	30559-G3 Case Complete - 2-1/4x3-1/4 Speed Graphic (See Figure 2-37). Ref	
	30559-G6 Case Complete - $2-1/4x3-1/4$ Crown Graphic	Ref	
7-1	30535-P1 . Plate - Release slide	1	1.00
	Attaching Part		
-2	152B1R4 . Screw - Wood, 1/4 in. lg., #2 OH Brass, Chrome plate,		
-3	Phillips drive	2	.01
-0	50145-F1 . Screw - Machine, since release plate, special	1	.07
-4	30647-P1 . Escutcheon, left - Focusing knob	. 1	.25
-5	31135-P1 Escutcheon, right - Focusing knob		.25
	Attaching Part		,
-6	30638-P2 . Pin - Escutcheon, 0.042 in. dia x 1/4 in. lg	2	.01
_	***		
-7	30645-P2 . Moulding - Upper right		.65
-8	30640-P2 . Plate - Moulding, top "Graflex"		.10
-9 10	30645-P1 . Moulding - Upper left		.65
-10	30763-P1 . Moulding - Lower left		.70
-11 -12	30640-P1 . Plate - Moulding - bottom		.10
-12 -13	30764-P1 . Moulding - Lower right		.60
-13 -14	30643-P3 . Moulding - Right		.55
-1-1	OCCIT-II . DIGCAGE - MANUE	4	.40

DO NOT ORDER PARTS BY FIGURE INDEX NUMBER. SPECIFY CATALOG OR PART NUMBER AND NAME. State quantity. Prices subject to change without notice.

NP - Non Procurable

Figure & Index No.	Part Number	Nomenclature 1 2 3 4 5	Units per Assembly	List Price
	Attach	ing Part		
7-15		Nut - Handle bracket	2	.10
-16		Screw - Machine, 1/2 in. lg., #6-32 OH Phillips drive,		
		Brass, Chrome plate	2	.05

4 100	30880	Bearing - Roller (For Replacement use 30192-P1 or P2).	NP	
-17	30192-P1 30192-P2	Bearing - Roller, Selected fit, 0.359 in. lg	AR	.60
		Bearing - Roller, Selected fit, 0.389 in. lg ing Part	AR	.60
-18		Screw - Wood, 1/4 in. lg., #2 OH Phillips drive, Brass,		
10	10DDI(1	Chrome plate	6	.01
	***			.02
-19	30557-P1 .	Latch - Bed, older models	1	.35
	31729-P2 .	Latch - Bed, newer models	1	.15
-20	30664 .	Spring - Bed latch, older models	1	.15
-21	30572 .	Button - Bed release, older models	1	.15
		Button - Bed release, newer models	1	.05
9.0		ing Part		
-22	10283-4(818).	Screw - Machine, 1/4 in. lg., #3-48 Brass, Ebonol, older	9	01
	112B3B3/G18\	models	2	.01
	112001(0(010).	Brass, Ebonol, newer models	1	.01
-23	30473-P44 .	Washer - Flat, 0.250 in. OD, 0.099 in. ID, 0.025 in. thk	1	.01
		Brass, older models	2	.01
-24	30508 .	Collar - Bed latch insert, older models	2	.02

-25		Contact - Case		.05
-26		Contact - Receptacle		.05
-27		Contact - Switch, short		.15
-28		Contact - Switch, long	1	.15
		ing Part	0	01
		Screw - Wood, 3/16 in. lg., #0 FH Brass Pin - Escutcheon, 0.070 in. dia.x 1/8 in lg	3	.01 .01
	151B0-2	Screw - Wood, 1/8 in. lg., #0 RH Brass	2	.01
	***		2	.01
-29	30303-P1 .	Spring - Shift slide, case	1	.15
		ing Part		
-30	150B1-3 .	Screw - Wood, 3/16 in. lg., #1 FH Brass	1	.01

-31		Plate Assembly - Body release, Speed Graphic		9.00
		Plate Assembly - Body release, Crown Graphic	1	7.00
-32		ing Part	e	.01
-32	***	Screw - Wood, 3/8 in. lg., #1 FH Brass	0	.01
		. Slide Assembly - Release	NP	
		Covering - Vinyl, Speed Graphic		2.25
		Covering - Vinyl, Crown Graphic		2.25
-33		Foot Case, Speed Graphic		.25
		Foot Case, Crown Graphic		.25
-34		Nut - Machine, #3-48 square	4	.03
-35		Case Assembly, Speed Graphic		
.		Case Assembly, Crown Graphic		
-35A	30372-P3 .	. Socket - Tripod, side	1	.20
250		ing Part	9	Ω1
-35B	150B2-4 .	. Screw - Wood, 1/4 in. lg., #2 FH Brass	3	.01
-35C		Socket - Tripod, bottom	1	.20
-35D	00-04	. Cover		.05
_	•			-

DO NOT ORDER PARTS BY FIGURE INDEX NUMBER. SPECIFY CATALOG OR PART NUMBER AND NAME. State quantity. Prices subject to change without notice.

AR - As Required NP - Non Procurable

Figure & Index No.	Part Number	1 2	3 4 5		Units per Assembly	List Price
	Atta	ching				
7-35E	151B2-4		Screw	- Wood, 1/4 in. lg., #2 RH Brass	3	.01

-35F	30673-P3		Insert	- Back mounting, bottom, Speed Graphic only	1	.03
-35G	31905-P1			- Bed latch		.05
-35H	*30370		Lug - I	Back mounting (replaced by 30673-P6)	2	.10
	*30673-P6			- Back mounting, top, Speed Graphic only		.10
	Atta	ching	Part			
	*150B2-3(S1	8)	Screw	- Wood, 3/16 in. lg., #2 FH Brass, Ebonol	4	.03
		***		, , , , , , , , , , , , , , , , , , , ,		
	31905-P1		Insert	- Brace plate, left side	4	.05
	31906			- Brace plate, right side		.05

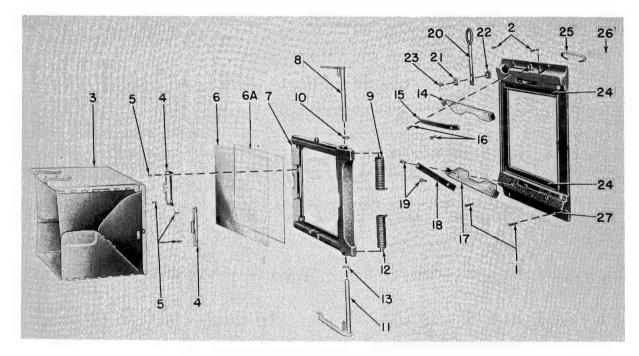


Figure 8. Graflok Back

	31709-G22	Back Complete - Graflok - 2-1/4x3-1/4 Speed Graphic with	
		Ektalite, including panel and hood (See Figure 1-19) R	Ref
	31709-G23	Back Complete - Graflok - 2-1/4x3-1/4 Crown Graphic with	
		Ektalite, including panel and hood R	lef
	Attac	hing Part	
8-1	30921-P7 (S7	Screw - Self tapping, 1/2 in. lg., #2 Oval Bind H, Steel,	
		Jetal, for Speed Graphic 2	.01
-2	30921-P6(S7)	. Screw - Self tapping, 3/16 in. lg., #2 Oval Bind H, Steel,	
		Jetal, for Speed Graphic 2	.01
-1&2	30921-P6(S7)	. Screw - Self tapping, 3/16 in. lg., #2 Oval Bind H, Steel,	
		Jetal, for Crown Graphic 4	.01
	**	*	
-3	Cat. #9145	. Hood Assembly R	tef
	31715-G1	. Frame Assembly - Without Ektalite (Replace with Cat.	
		#9277)	1 P
	Cat. #9277	. Frame Assembly - with Ektalite (less hood)	lef

Note: Lug, part no. 30370, mounted with Screws, part no. 150B2-3, is for the older 2-1/4x3-1/4 Speed Graphic. and has been replaced by Insert, part no. 30673-P6 on the newer cameras.

DO NOT ORDER PARTS BY FIGURE INDEX NUMBER. SPECIFY CATALOG OR PART NUMBER AND NAME. State quantity. Prices subject to change without notice.

Section 4 Group Assembly Parts List

PACEMAKER GRAPHIC "23" SPEED & CROWN

Figure & Index No.	Part Number	Nomenclature 1 2 3 4 5	Units per Assembly	List Price
8-4	30371-P1	Retainer	2	.06
-5		7) Screw - Machine, 3/16 in. lg., #2-56 FH Steel, Jetal	4	.01
-6	30414-P2	Screen - Ground glass focusing	1	1,10
-6A	*30414-P5	Screen - Ektalite		4.50
-7	31716-P1	Frame - (Replace with 31915-P2 plus Ektalite screer part #31935-P1)	1	
	31716-P2	. Frame - For Ektalite		6.00
-8	31717-G2	Arm Assembly - Upper		.85
-9	31720-P1	Spring - Upper		.20
-10	30473-P38			
		Brass		.01
-11	31717-G1	Arm Assembly - Lower		.85
-12	31720-P2	Spring - Lower	1	.20
-13	30473-P38			
		Brass		.01
	31710-G1	. Back Assembly - Excluding panel and hood		13.35
-14	31713-P2	Slide lock - Upper		.85
-15	31714-P1	Spring	1	.15
-16	30839-P1	aching Part		.25
-10		Screw - Slide lock, special	2	.20
-17	31713-P1	Slide lock, Lower	1	.85
-18	31714-P1	Spring		.15
-10		aching Part		.10
-19	30939-P1	. Screw - Slide lock, special	2	.12
-20	30369-G1	Peepsight Assembly	1	.50
-21	30366	Cap	1	.16
-22	30368	Washer - Flat		.02
-23	104B6-4	Screw - Machine, 1/4 in. lg., #6-32 OH, Brass, Chro	me	
		plate	4	.03
0.4		***	0	10
-24	31722-P1	Strip - Light seal		.10 4.3 5
05	33036-G1	Back Assembly - First		.07
-25	30367	Spring		.07
-26 27	30364-P1	Plate		.04
-27	31711-P1	Back	NP	

Note: The Ektalite screen can be used only on Frame #31716-P2 and as part of Frame Assembly Cat. #9277.

DO NOT ORDER PARTS BY FIGURE INDEX NUMBER. SPECIFY CATALOG OR PART NUMBER AND NAME.

State quantity. Prices subject to change without notice.

NP - Non Procurable

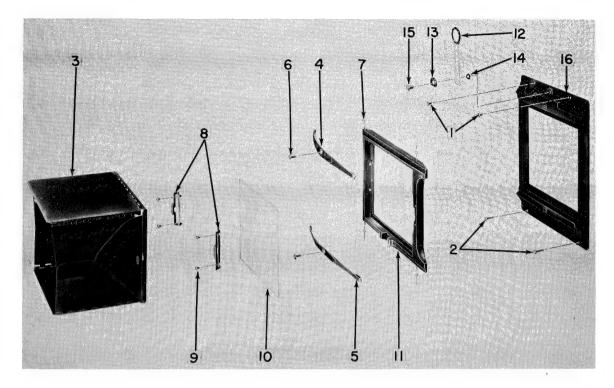


Figure 9. Graphic Back

Figure & Index No.	Part Number	Nomenclature	Units per Assembly	
	30313-G5	Back Complete - $2-1/4x3-1/4$ Speed Graphic (See Figure 1-Back Complete - $2-1/4x3-1/4$ Crown Graphic ing Part		
9-1	30921-P5(S7).	Screw - Self tapping, 3/16 in. lg., #2 Oval Bind Hd, Steel, Jetal, for Speed	2	.01
-2		Screw - Self tapping, 1/2 in.lg., #2 Oval Bind Hd, Steel, Jetal, for Speed		.01
-1&2		Screw - Self tapping, 3/16 in. lg., #2 Oval Bind Hd, Steel, Jetal, for Crown		.01
	**			
-3		Hood Assembly		
-4		Spring - Focusing frame, top		.28
-5		Spring - Focusing frame, bottom ing Part	1	.28
-6	31270-P1 .	Screw - Sems unit fastener (washer w/screw, 5/16" lg., #4-40)	2	.03
-7	30473-P1(S18).	Washer - Flat, focusing frame spring, 5/32 in. OD, 0.067 in. ID, 0.005 in. thk Brass, Ebonol	7	

	30405-G5	Frame Assembly Complete - Focusing	NP	
-8	30371-P1 .	Retainer - Hood Assembly		.07
-9		. Screw - Machine, 3/16 in. lg., #2-56 FH Steel, Jetal	4	.01
-10	30414-P2	. Screen - Focusing	1	1.10
-11		Frame Assembly - Focusing	NP	
-**		Back Assembly		6.65
-12		Peepsight Assembly		.50

DO NOT ORDER PARTS BY FIGURE INDEX NUMBER. SPECIFY CATALOG OR PART NUMBER AND NAME. State quantity. Prices subject to change without notice.

NP - Non Procurable

Figure & Index No.	Part Number	Nomenclature 1 2 3 4 5	Units per Assembly	List Price
	Atta	aching Part		
9-13	30366	Cap - Peepsight	1	.16
-14	30368	Washer - Peepsight		.03
-15	104B6R4	Screw - Machine, 1/4 in. lg., #6-32 OH Phillips drive,		•
		Brass, Chrome	1	.04

	30364	Plate - Peepsight spring	1	.04
	30367	Spring - Peepsight	1	.07
-16	30312-P1	Back	NHA	

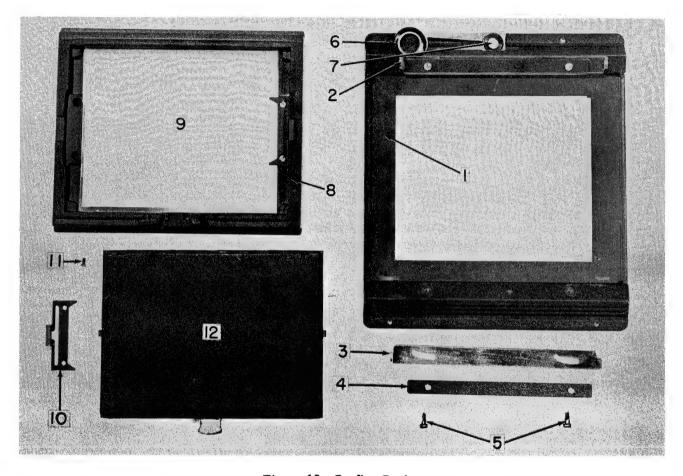


Figure 10. Graflex Back

30927-G6	Back Complete - Graflex 2-1/4x3-1/4 Speed Graphic, excluding		
	Panel and hood (See Figure 1-19)	Ref	
30927-G3	Back Complete - Graflex 2-1/4x3-1/4 Crown Graphic, excluding		•
	Panel and hood	Ref	
Atta	aching Part		
†30921-P7	. Screw - Self tapping, 1/2 in. lg., #2 Oval Bind Hd, Steel,		
	Jetal, for Speed Graphic	2	.01
†30921-P6	. Screw - Self tapping, 3/16 in. lg., #2 Oval Bind Hd, Steel,		
	Jetal, for Speed Graphic	2	.01
†30921-P6	. Screw - Self tapping, 3/16 in. lg., #2 Oval Bind Hd, Steel,		
	Jetal, for Crown Graphic	4	.01

†Note: See Figure 8 for these parts.

DO NOT ORDER PARTS BY FIGURE INDEX NUMBER. SPECIFY CATALOG OR PART NUMBER AND NAME.

State quantity. Prices subject to change without notice.

NHA - Next Higher Assembly

Section 4
Group Assembly Parts List

Figure & Index No.	Part Number	Nomenclature 1 2 3 4 5	Units per Assembly	List Price
10-1	30930-P1	. Back	1	5.00
-2	30938-P3	. Slidelock - Top		1.00
-3	30938-P4	. Slidelock - Bottom.	1	1.00
-4	30937-P2	Spring - Slidelock		.40
-		ching Part	, <i>u</i>	.40
-5	30939-P1	. Screw - Slidelock	1	.12
•		**		.12
-6	30368-G1	Peepsight Assembly.	1	.50
		ching Part		4.0
	†30366	. Cap	1	.16
_	†30368	. Washer - Flat	1	.03
-7	104B6R4	. Screw - Machine, 3/16 in lg., #6-32 OH Phillips drive,		
		Brass, Chrome plate	1	.04
		**		
	†30367	. Spring - Peepsight	1	.07
	†30364	. Plate - Peepsight spring		.04
	Cat. #9142	Panel Complete - Graflex focusing, including hood		
-8	30933-P1	. Frame - Focusing		3.75
-9	30414-P2	. Screen - Focusing	1	1.10
-10	30371-P1	. Retainer - Hood assembly		.07
	Atta	ching Part		
-11		. Screw - Machine, 3/16 in. lg., #2-56 FH Steel, Jetal	4	.01
		**		
-12	Cat. #9145	. Hood Assembly	Ref	

†Note: See Figure 8 for these parts.

Part No.	Finish	Use	Fig. Ref.	Qty	. Description	Net per 25
St	andard Sc	crews				
100-2-3	S-7	Holds ground glass retainer to back frame	8-5 9-10 10-11	4 4 4	#2-56 FH 3/16"	.20
100B2-4	S-18	Holds yoke guide to bed	6-2	8	#2-56 FH 1/4"	.20
100B2-7	S-18	Spacer block screw	2-10	6	#2-56 FH 7/16"	.2 0
100B3-2	S-18	Holds bed brace plate	2-26	1	#3-48 FH 1/8"	.2 0
100B3-3	S-18	Holds bed brace plate	2-26	1	#3-48 FH 3/16"	.20
101-2-6		Holds viewfinder mounting plate to Camera	11-19	3	#2-64 FH 3/8"	.20
102B2-4	S-18	Holds bed latch into case	7-21	2	#2-56 RH 1/4"	.20
102-2-7		Holds shift slide in place	4-9	1	#2-56 RH 7/16"	.2 0
104B1-3	L-26	Holds shutter plate to camera	2-2	3	#1-64 OH 3/16"	.20
104-4-3	Chrome	Graflite mounting bracket	1-	1 .	#4-40 OH 3/16"	.20
104-4-5	Chrome	Graflite mounting bracket	1-	2	#4-40 OH 5/16''	.20
104B6-4	Chrome	Holds peepsight to camera back	8-23	1	#6-32 OH 1/4"	.40
104B6R4	Chrome	Holds peepsight assembly to back	9-15	1	#6-32 OH 1/4" Phillips	.60
104B6R8	Chrome	Handle bracket screw	10-7 7-16	2	#6-32 OH 1/2" Phillips	.80
107-2-2	Chrome	Holds manual trip arm to manual trip rod	1-14	1	#2-56 O Fil H 1/8"	.20
110-2-2	Chrome	Holds objective lens cap to viewfinder housing	11-13	2	#2-56 SS Bind H 1/8"	.20
110B2-4		Holds governor mechanism together	4-15A	2	#2-56 SS Bind H 1/4"	.40
110B3R3	S-18	Range finder mounting bracket	1-5	2	#3-48 SS Bind H 3/16"	.2 0
112-3R2	S-7	Holds bed brace plate	2-27	1	#3-48 O Bind H 1/8" Phillips	.20
112B3R3	S-18	Holds bed brace plates	2-27	1	#3-48 O Bind H 3/16"	.20
•		Secures bed latch	2-28 7-	1 1	Phillips	
112B3R6	S-18	Holds bed brace plate	2-28	1	#3-48 O Bind H 3/8" Phillips	.20
150-1-3	P-21	Holds cable release spring to case	2-17	1	#1 FH 3/16"	.20
150B0-3	S-18	Holds long switch contact in place	7-	3	#0 FH 3/16"	.2 0
		Holds curtain guide to frame and contact assembly	1	6		
150B1-3	S-18	Holds shift slide spring to case	7-27	1	#1 FH 3/16"	.20

Part No.	Finish	Use	Fig. Ref.	Qty	. Description	Net per 25
150B1-6	S-18	Holds body release plate assembly to case	7-29	6	#1 FH 3/8"	,2 0
		Holds back to case for Graphic and Graflok backs	8-3 9-3	1 1		
150B1-8		Holds shutter mechanism to camera	2-7	4	#1 FH 1/2''	.20
150B2-3	S-18	Holds top back mounting lug in place	7-	4	#2 FH 3/16"	.20
		Holds bed brace plates in place	2-30	4		
150B2-4	S-18	Holds bed brace plates in place	2-29	2	#2 FH 1/4''	.20
		Holds side Tripod socket to case	7-32B	3		
150B2-8	S-18	Holds spring finger contact to frame and contact assembly	2-13	4	#2 FH 1/2"	.20
150B2-12		Holds frame and contact assembly to body	2-	4	#2 FH 3/4"	.40
151-1-3	P-21	Holds end of body cable release	2-18	2	#1 RH 3/16"	.20
151B0-2		Holds long switch contact in place	7-	2	#0 RH 1/8"	.20
151B1-3		Holds long and short contacts to frame and contact assembly	2-	2	#1 RH 3/16"	.2 0
151B2-4	S-18	Holds bottom tripod socket to case	7-32E	3	#2 RH 1/4''	.20
152B1-8	L-26	Holds shutter place to camera	2-3	2	#1 OH 1/2''	.20
152B1R4	Chrome	Holds body release plate in place	7-2	2	#1 OH 1/4" Phillips	.40
152B2R4	Chrome	Holds rear curtain bearing in place	7-18	6	#2 OH 1/4" Phillips	.40
170A3-2	P-15	Yoke lock lever limiting screw	6-3	1	#3-48 slotted headless set 1/8"	.40
170D5-2	S-7	Case guide adjustment screw	2-	4	#5-40 slotted headless set 1/8"	.80
30921-P5	S-7	Top screws that hold back to camera case on Speed	9-1	2	#2 O Bind H 3/16"	.20
30921-P6	S-7	Holds back to case on Crown	8-1&2 9-1&2	4	#2 O Bind H 3/16"	.20
		Top screws that hold back to camera case on Speed	10- 8-2 9-2 10-	4 2 2 2		
30921-P7	S-7	Bottom screws that hold back to camera case on Speed	8-1 9-1 10-	2 2 2	#2 O Bind H 1/2"	.20
Sp	ecial Scr	ews				
30187-P1		Holds escapement to shutter plate	4-2	2		1.20
30213-P1		Holds shutter mechanism to camera	2-5	1		.60

Part No.	Finish	Use	Fig. Ref.	Qty	. Description	Net per 25
30401-P1		Slidelock screw	5-8	4		1.20
30543		Front standard tilt locking screw	5-25	2		4.80
30661		Infinity stop (rear)	1-16A	2	pointed	.40
30662		Infinity stop	1-16B	2	flat point	.40
30749-P1		Holds body release plate in place	7-3	2	special	1.20
30776		Range finder mounting	1-8	2		.80
30819		Index and focus scale	1-11	4		.20
30830	Chrome	Holds range finder bracket assembly to yoke case section	6-5	2		.80
30939-P1		Holds slide lock to camera back	8-16 8-19 10-5	2 2 4	special	2.40
31089-P4		Holds yoke guide to bed	6-2	8	special 1/4" #2-56 B	ind H .20
31134	S-18	Range finder mounting	1-4	2		.20
31238		Holds curtain pressure spring to back	9-16	2		.2 0
31270-P1		Holds focusing frame spring to camera back	9-7	2		.40
31944		Holds lens barrel to view finder housing	11-10	2		.20
33756	Chrome	Holds objective lens cap to housing for wide angle view finder	11-	2		.80
33805		Holds sleeve and lens barrel to view finder housing	11-11	2		.80
Nu	ts					
200-2H		Holds governor mechansim together	4-15B	2		.20
200-3S		Holds case foot in place	7-37	4		.40
30375-P1		Nut for handle bracket	7-15	2		1.00
30377-P1		Nut for slidelock screw	5-9	4		.60
30553-P1		Front standard lever assembly lock nut	5-26	1		1.00
30843		Cable release nut for manual trip rod	5-4A	2		1.60
<u>W</u> a	shers					
221-2		Washer for #102-2-7 Lock washer for Nut 200-2H that holds governor mechanism together	4-10 4-15C	1 2		.20
		Washer for part #102B2-4	7-	1		
30358		Receptacle washer	3-3	1		.20

Section 4
Standard Hardware

Part No.	Finish	Use	Fig. Ref.	Qty.	Description	Net per 25
30368		Peepsight washer	8-22 9-15 10-	1 1		.40
30473-P1		Washer for focusing frame spring screw	9-8	2		.20
30473-P6		Front frame clamp washer	5-3	2		.2 0
30473-P7		Washer for front standard locking screw	5-23	2		.20
30473-P8		Washer for part #102B2-4	7-	2		.20
30473-P10		Washer for front standard locking screw	5-24	2		.20
30473-P11		Yoke lock lever washer	6-5	AR		.20
30473-P13		Front standard lever assembly washer	5-30	1		.20
30473-P15		Curtain and rollers assembly	2-9	AR		.20
30473-P20		Washer for slidelock screw	5-11	4		.20
30473-P24	•	Curtain and rollers washer	2-10	AR		.2 0
30473-P25		Washer for body cable release end	2-	1		.2 0
30473-P35		Graftite mounting bracket	1-	2		.20
30473-P36		Graflite mounting bracket	1-	3		.20
30473-P38		Graflok back, panel, arm washer	8-10 8-13	1 1		.20
30540-P2		Front standard lever assembly washer	5-31	1		.80
30540-P3		Washer for slidelock screw	5-12	4		.40

Finish Code

L-26 P-15	Black wrinkle White nickel
P-21	Cadmium
S-7	Jetal
S-18	Ebonol

DO NOT ORDER PARTS BY FIGURE INDEX NUMBER. SPECIFY CATALOG OR PART NUMBER AND NAME.

State quantity. Prices subject to change without notice.

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